

Powerful Word Processor for Omnis Studio



Version 2

OWrite is a cross-platform word-processing component for Mac OSX, Windows and Linux with more than just a basic set of features.

You will find all the usual formatting options for formatting text, paragraphs and pages. Some of the more advanced features include styles, text boxes, tables

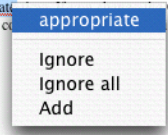
with the exception of the rulers and the edit area, is written in Omnis and is open source, giving total control to Omnis developers.

One of the more interesting features of OWrite has to be its embedded calculations.

Omnis calculations can be directly embedded in the document. With its clever use of styles and embedded calculations, very powerful document templates can be created. New documents can be

```
Example:
;; our string table is located with the library
Do FileOps.Splitpathname($Clib.Sppathname,DRIVE,DIR
Do StringTable.$loadstringtable('OWriteStr',con(DRI
;; set the appropriate column
Do StringTable.$setcolumn('Deutsch')
;; tell OWrite to load the strings
Do OWrite.$loadstrings('OWriteStr')
;; we have finished with the string table, unload it
Do StringTable.$unloadstringtable('OWriteStr')
```

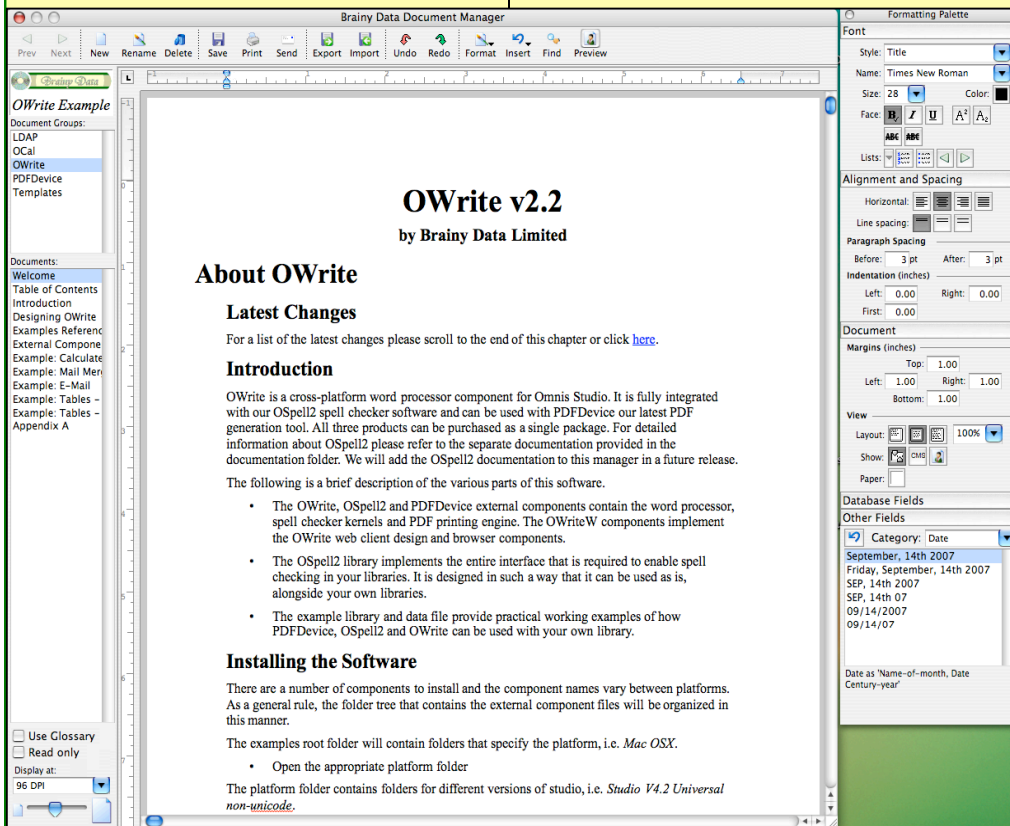
You only need to do this once per Omnis session and it can be done during startup or any other appropriate time. For documents, you must issue redraw commands.



bundled with OSpell2, a sophisticated spell checker for Omnis Studio. OWrite will spell check as you type and underline misspelled words in red. Simple context clicks will popup a menu with suggestions. Non-English dictionaries are available in Brazilian-Portuguese, Danish, Dutch, Finnish, French, German, Italian, Norwegian, Portuguese, Spanish and Swedish.

Manipulating documents from Omnis methods is very simple. Typically you select the text or object using the provided OWrite method and assign properties. You can also insert text, pictures, text boxes, calculations and RTF from Omnis methods. A non-visual external object has been provided to allow the manipulation or printing of documents without using a window.

Documents can be printed directly to any of the Omnis report destinations. Alternatively, the provided report object can be used to print OWrite documents from an Omnis report class.



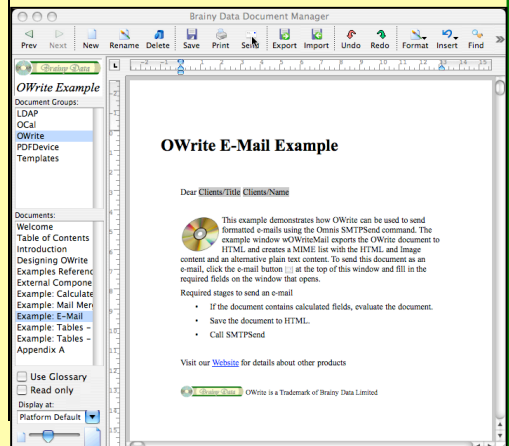
that can display Omnis list data, pictures, embedded calculations, clickable links, powerful find and replace, spell checker, document scaling and much more.

OWrite has the look and feel of a modern word processor. Documents can be viewed in page layout, normal and field modes. The rulers allow the placing of tabs and setting of indents and paper margins. Text boxes, pictures and tables have numerous formatting options allowing the creation of more sophisticated documents. The entire interface,

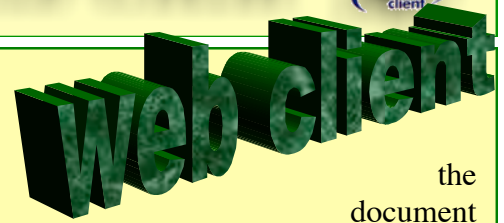
created from templates and calculations can be evaluated by assigning a single property. Any valid Omnis calculation can be used, including notation and calls to methods that return pictures, plain text or RTF. Even clickable links can be inserted to drill down on data inserted by a calculation.

Find and replace is capable of searching and replacing based on text, styles, paragraph or text formatting options, or any combination of the above.

Spell checking has been well catered for, too. OWrite Plus is



Word Processor for Omnis Web Client

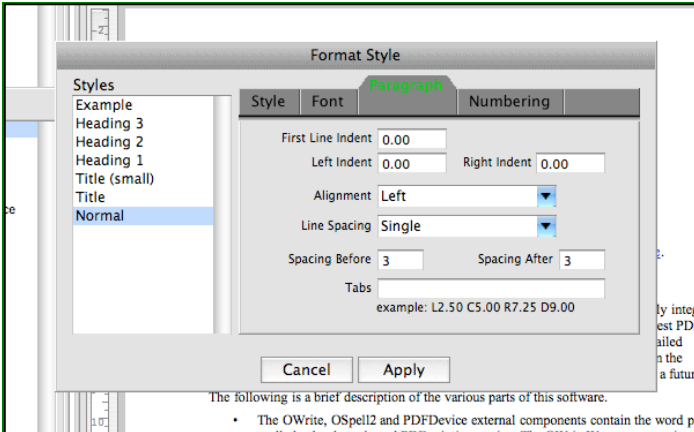


It has the same look and feel and supports all the document formatting features that makes OWrite what it is. Documents created by the fat-client can equally be edited by the web-client

the document could also be sent to the server for evaluating the calculated fields and returning the evaluated document.

This just leaves find and replace which has not been implemented at this moment in time, but will be added in the near future.

These are the only major



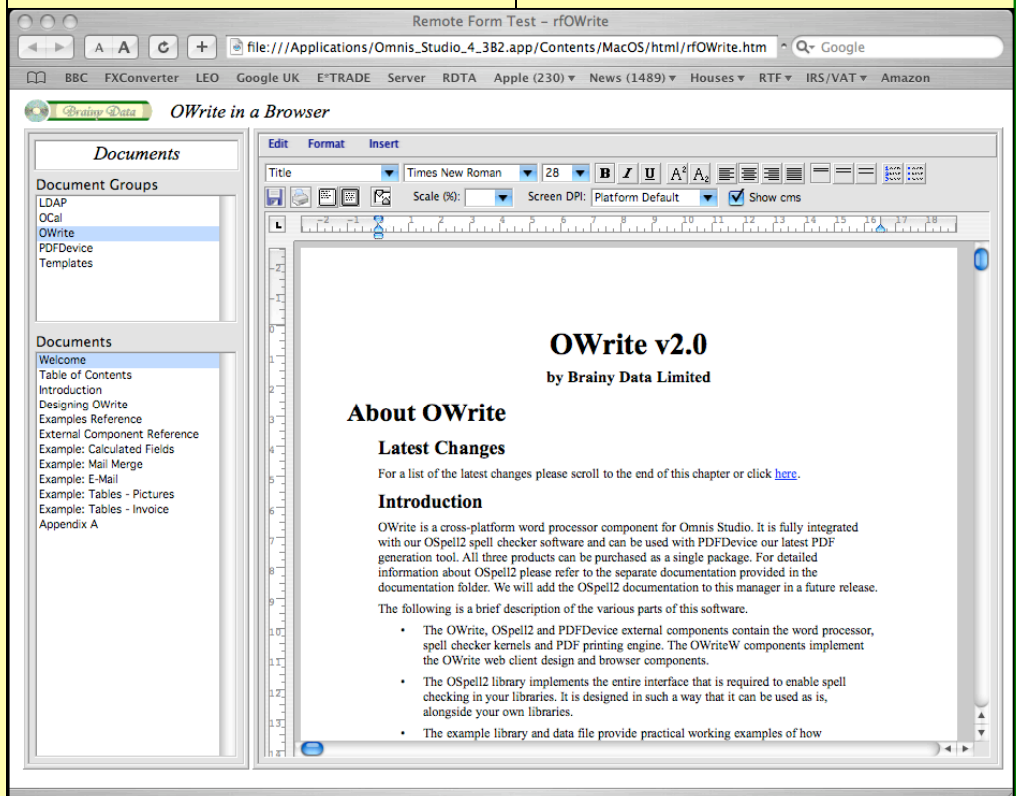
WYSIWYG has been well implemented. Text on screen is closely matched to the printed output. The document scaling allows the display of documents at 25% to 400% and the screen DPI feature (unique to OWrite) allows the rendering of documents at a fixed DPI, making the on-screen appearance more cross platform than ever.

In addition to RTF OWrite also supports export direct to HTML. The on-line examples demonstrate how easy it is to send formatted e-mails from OWrite documents. And with the use of PDFDevice you can now produce PDF documents directly from OWrite.

With the OWrite Web-Client component the powerful and plentiful word processing features can also be enjoyed inside a browser. There is very little difference between the fat-client word processor and OWrite for Web-Client.

version.

There are a few limitations but some of these can be overcome by



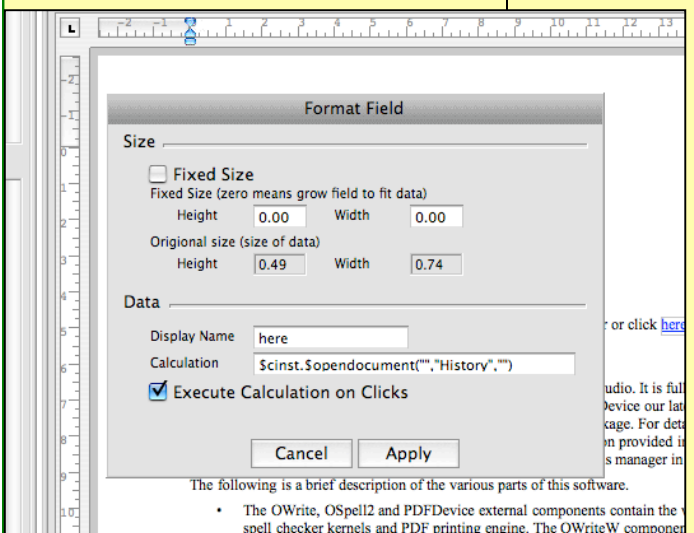
implementing them in a different way.

Spell-check as you type is not supported, and you cannot export documents to HTML or evaluate calculated fields on the client. The document can always be sent to the server for export to html and the result can be returned to the client. Equally,

limitations in the current release.

The lack of context menu support in the web-client has been overcome by providing an OWrite method that allows the developer to popup context menus from a list.

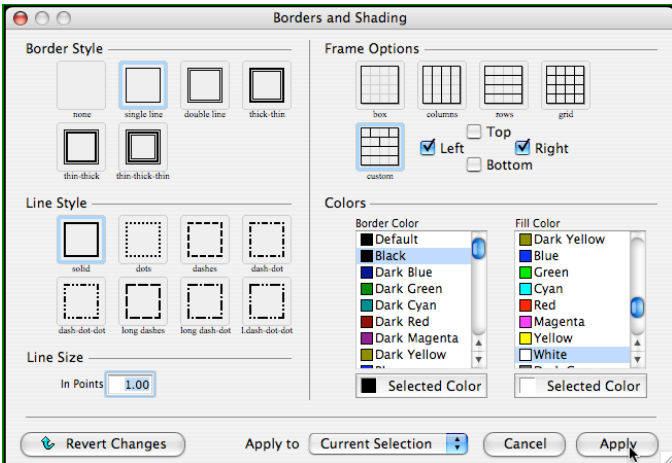
The example library demonstrates how a surprisingly effective word processing interface can be designed using remote forms and sub forms.



Powerful Word Processor for Omnis Studio



OWrite tables



the ease and flexibility of attaching list data to a table. It is as simple as specifying the list and column names. OWrite provides three types of table rows. Header rows, data rows and even footer rows (something that is

total columns. They are simply calculated on the fly.

The latest version 2 examples include a fully functional label printing utility. The interface is designed in such a way that it can be easily copied to your own Omnis libraries and all that remains to be added is the code

Version 2 has brought some major enhancements to OWrite. The most important of these is the OWrite table field.

Table fields can be used to display Omnis list data, or layout newsletter style documents and even create invoices with self-calculating subtotal and total sections. Something that is actually hard to do with MSWord.


There is a huge array of formatting options giving great flexibility over a table's appearance. And of course there are the usual options such as merging and splitting of cells, and inserting and deleting of rows and columns. But where it really sets itself apart is in

OWrite Table Example

Invoice Database Example

The following table has a number of header rows that are used for displaying invoice header details. The header rows will be repeated on each page.

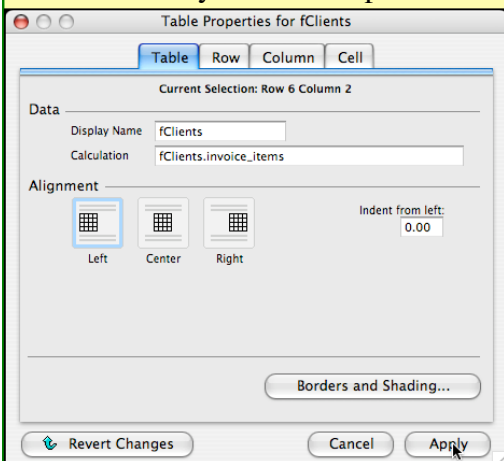
The last three rows are footer rows, also repeated on each page. The footer rows display subtotal and total values for the invoice.

Click the preview button  above to populate the invoice from data in the data file.

Brainy Data Sample Invoice						Page 1
Customer Details			Our Details			
Mr Joe Pascal 115 North View Avenue Clacton-on-Sea CO2 3TH			Phone: +44 (0)870 474 0708 E-Mail: sales@brainydata.com Web: www.brainydata.com			
Code	Description	Units	Unit Price	Tax	Net price	
WG103	NetGear Wireless Access Point	1	77.00	13.48	77.00	
DWL-8200 AP	D-Link Air Premier	1	238.29	41.70	238.29	
M9470B/A	Apple Airport Base Station	1	78.38	13.72	78.38	
3CRWE8	3Com Wireless LAN Access Point	1	213.12	37.30	213.12	
WG602	NetGear Wireless Access Point	1	34.50	6.04	34.50	
JGS524	NetGear 24-port Gigabit Ethernet Switch	1	191.00	33.43	191.00	
3C17302	3Com SuperStack 3 4250	1	389.71	68.20	389.71	
ES3116	Dabsvalue Edimax 16 Switch	1	21.98	3.85	21.98	
Subtotal Net price					1243.98	
Subtotal Tax					217.72	
Subtotal					1461.70	

that builds the list of fields from your database and the saving and loading of the label templates if you prefer to store them in your database.

The label writer utilizes OWrite tables to lay out and display the labels in full preview mode. The preview mode is live and any changes made to any of the label parameters are immediately applied to the preview section of the window. The interface is even capable of importing Avery label templates in RTF format. Templates can



missing from tables in MSWord).

Special table notation is provided so that cells and columns can be subtalled and totalled directly by the table and it is even possible to add together several cells in the same row. In other words, the list attached to the table does not have to contain any

Brainy Data Sample Invoice						Page 2
Customer Details			Our Details			
Mr Joe Pascal 115 North View Avenue Clacton-on-Sea CO2 3TH			Phone: +44 (0)870 474 0708 E-Mail: sales@brainydata.com Web: www.brainydata.com			
Code	Description	Units	Unit Price	Tax	Net price	
3C2000T	3Com Gigabit network adapter	3	31.26	16.41	93.78	
DGE-530T	D-Link 32-Bit 10/100/1000 Base-T PCI	5	13.83	12.10	69.15	
305-939	Elcon Technology DIVA USB ISDN Modem	1	44.86	7.85	44.86	
14284	Trust 56K PCI Modem MD-1100	4	6.96	4.87	27.84	
Total Net Price					1479.61	
Total Tax					258.95	
Total					1738.56	

Special Keys When Sizing Width Of Cells

Command Key: Allows you to change the width of a cell without changing the column width. Key must be held down prior to dragging.

Alt Key: Will size the cell in units of 1 pixel. Ordinarily all sizing of objects is snapped to 1/4 of a centimeter or 1/8th of an inch.

Shift Key: Will only size the cell to the left of the column divider and move along all cells to the right. Ordinarily the cells to the left and right of the column divider are resized without affecting the overall table/row width. Key must be held down prior to dragging.

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Label Writer

Label Content

- Description
- Customer Code
- Title
- First Name
- Other Names
- Last Name
- Address 1
- Address 2
- City/Town
- State/Country

Text Margin: 0.20 Copies: 1

Label Info

Type: Custom

Labels: Across: 3 Down: 7

Size: Width: 2.80 Height: 1.50

Gutter: Horz.: 0.00 Vert.: 0.00

Paper Info

Type: US Letter, 8 1/2 by 11

Orientation: Portrait Landscape

Size: Width: 8.50 Height: 11.00

Margins: Top: 0.25 Bottom: 0.25 Left: 0.05 Right: 0.05

Font

Face: Arial Size: 12 Style: **B** *I*

decimal tabs;
bullets and numbering.

Page format: Paper size, orientation and page margins.

Objects: Tables, pictures, calculations, text boxes and page breaks.

Formats: OWrite, RTF, HTML, PDF* and text.

View: Normal, page layout and field; hide or show rulers; centimetres or inches, document scaling (25% to 400%), cross platform DPI rendering (platform default and 36 to 192DPI).

Other: Web-Client support, Multi level programmable undo and redo; find and replace; direct printing or print from report class; integrated spell checker and glossary.

Platforms: Mac OSX, Windows and Linux, Unicode and non-Unicode.

Supports Omnis Studio version 3.3 and 4. Web-Client requires Studio 4.2 or better.

be downloaded from the Avery website free of charge. The examples already include folders with some of the most common Avery labels.

Some other enhancements that deserve mentioning here are the new document statistics and snap-shot feature.

The document statistics window displays statistics such as word count, paragraph count, words per sentence, etc.

The snap-shot feature can be used to create thumb-nail images of your document pages at various sizes. This is especially useful for creating interfaces that display samples of document templates,

i.e. a document gallery.

There have been a large number of other so called under the hood enhancements, such as the new selection ranges allowing the developer to select and manipulate content by word or row, by paragraph or persistent address and more.

If you have not had a look at version 2, go and do so now. You'll be amazed. There simply is not enough space on these pages to do it justice.

Feature summary

Text format: Fonts, font size, text color, bold, italic, underline, strike-through, superscript and subscript.

Paragraph format: Styles; first line, left and right indents; left, center, right and justified alignment; single, 1.5, and double line spacing; spacing before and after; left, center, right and

Page: 1

Size: 192x192

Keep Aspect Ratio

Document Name: Welcome

Image Size (bytes): 16567
Image Width (pixels): 148
Image Height (pixels): 192

Copy

Document Name: Welcome

Document Statistics

Total Characters	6779 (excluding white space)
Total Words	1165
Total Rows	194
Total Sentences	163
Total Paragraphs	129
Total Pages	7

Style Statistics

Characters per Word	5.8
Words per Sentence	7.1
Sentences per Paragraph	1.3

Close

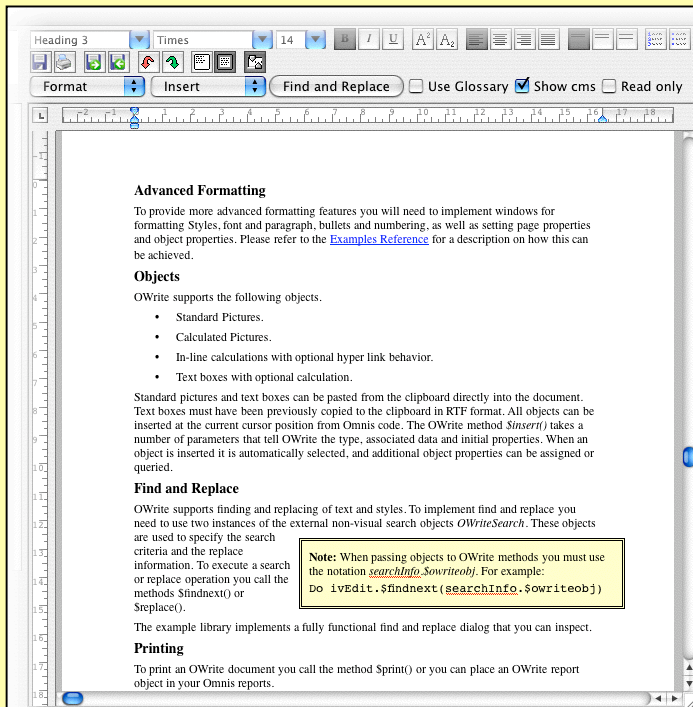
Website: www.brainydata.com
E-Mail: sales@brainydata.com



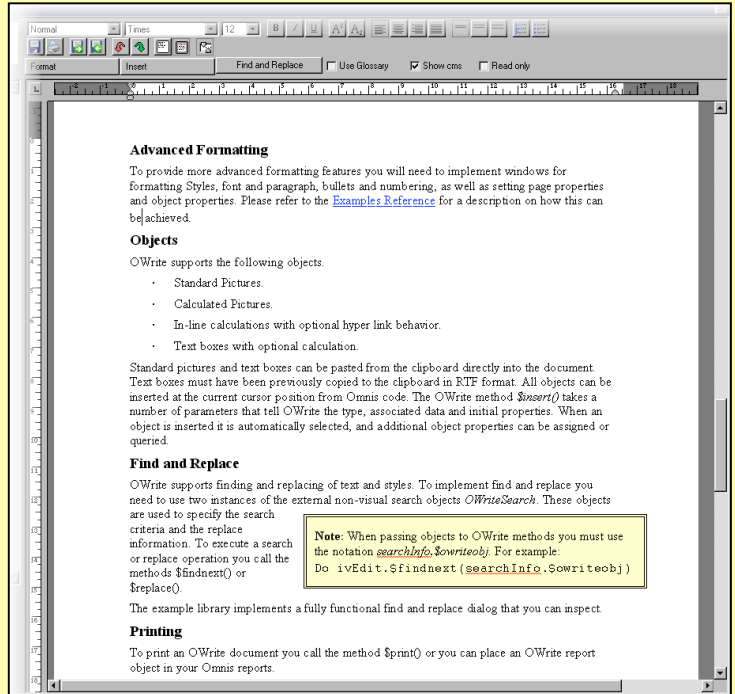
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OWrite looks and feels good on both Macintosh and Windows platforms. Care has been taken to achieve a high degree of compatibility for on-screen appearance and printed output. The screen shots to the left and below show OWrite displaying the same document on Macintosh and Windows.



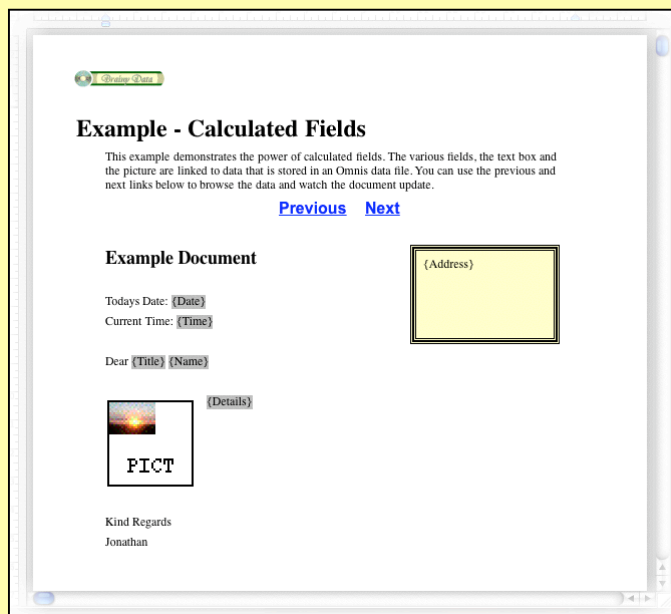
Left: Macintosh



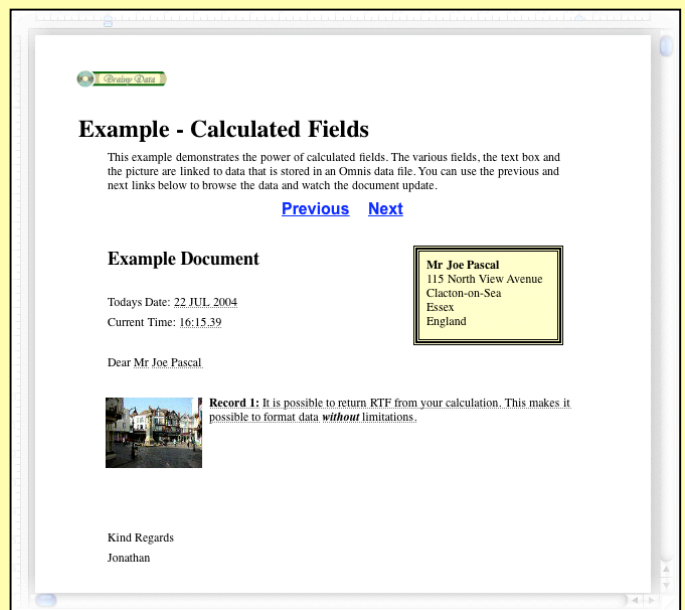
Right: Windows

Embedded calculations can be used to write useful template documents. When a template is loaded to create a new document, calculations can be evaluated during the loading process. Alternatively, a document can be evaluated over and over again while visible on screen.

The screen shots below and to the right show an example document where calculations are used to browse data by simply clicking on the embedded next and previous links.



Left: before



Right: after clicking next